

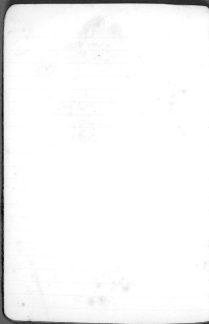


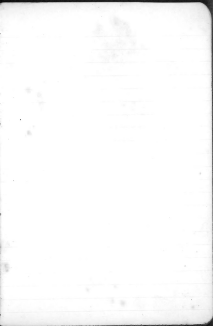
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Class No

[Jan 1908]







Boatong for Children for Help
also Reddell & Rambo in H 2.

Proceedings Vol 9. part 2. Ret.
Mrs Fletcher Garpe

Noto. Hort. Cal. Museum
Senecio. Lombrus - Makohuna - the
brachylophus - here

Atriplex canescens - Cathartes aura L.
Cassin.

Asphylla equisetifolia, *Senecio laevis*
and *Asphylla laevis* abundant at
sea level at Island Key. *Glaucium*
luteum plentifully naturalized

Hypericum perforatum & *H. androsaemum*
naturalized between Wellington &
Petone - great abundance of
Poa.

Asphylla equisetifolia by side of
railway beyond Featherston.

Motutauko 300 ft. high. Main
Vegetation on top of island *Platanus*
Adiantum, *Leptopodium ericoides*,
& *Panax arboreum*. *Polypodium*
ternstroemii *Papaya excelsa*. *Asplenium*
Polypodium hallii *Asplenium lucidum*
Lomaria lanceolata *Asplenium bulbiferum*
Polypodium farnagense. *Saururus cuneatus*
on the Motutauko & on rocks. *Polystichum*
Common on the rocks and all round the
island. seldom more than 30 ft and usually
much less - leaves small, rigid. *Guzmania*
ligustrifolia *Asplenium Richardsii*
Phoradendron Colensei *Melicope ramiiflora*
Poa anceps *Arctostaphylos racemosa*
Zuccarini baccata *Caprosma robusta*
& *C. lucida* *Quercus subsericea*
Heterostyles banksii *Polypodium serpens*

Asplenium floccidum *Trigonotis emarginata*
Epilobium pulchellum *Veronica schaffneri*
Epilobium mammillanifolium
Graptocarpus *Menyanthes* *Lycopodium* *Callitriche*
Samolus *Antennaria* *Callisiphon*
Cyathodes
Polytrichum on Whakaipo Bluff
North-west end of Taupo

Settlement Cranberry,
Pratt, Glenelg, Glenelg, Glenelg,
Ranunculus acris et - com. here.
Sponges on rock

E. W. Andrews.

Hyphocrepia *Androsace* *Androsace*
at Taupo bridge

1. Distribution of seedlings to members
about 1st April. - 16,000 - available

2. Members Meeting in March 1951

3. Fish Larder

1500 ft. River to 2000 ft. level
Intended for keeping seed corn with seeds
for sale to provide for the future

Flourishing hills

House  £12 house (small) and 12
2 houses available

Shed for meat freezing fresh corn
free chests £5 10x12

Annual meeting
Fish in good condition

1. Distribution of Fry

2. Minnow fishing on the river

3. Red Ladder

4. Collecting one of Rotaria — important
mention of possible application

5. Simple gathering house

6. Illustrations to travel or map

7. Reading hour

8. House

Always at Lincen — on Saturday
up to 4 o'clock

4 Hotaka, covered by
Mike Kapaia.
all covered from Kapaia.

Key carpenter employed
Nelson -

Pakuranga - Nelson
on later site





$$\begin{array}{r}
 26.85 \\
 1.65 \\
 \hline
 38.50
 \end{array}$$

$$\begin{array}{r}
 15.1 \\
 70 \\
 \hline
 85.1
 \end{array}$$

2.9



Iskapanu

Jan. 11. The flats about the village,
field and coal-ashes contain many
naturalized plants - as under

Antennaria pulchra & abundant

Spartina gracilis

Rosa rugosa

Poa pratensis

Barbarea caespitosa

Lotus corniculatus

Thymus serpyllifolius

Trifolium repens

Poa annua

Trifolium arvense

Hypochaeris glabra

Rumex crispus

Achillea millefolium

Erigeron annuus

Antennaria dioica

Trifolium pratense

Veronica arvensis

Lobelia = naturalized plant

Lepidodermis undulata

Ermenia atripolensis

Agrostis alba

Amorpha nudicaulis

Salmon eggs are packed in a

468 *Journal of*

Chen, C. Y. et al.

Case 11-13007 Document 1-1 Filed 07/26/11 Page 1 of 1

Donna Lee Anderson

4. *Psychological* *Intelligence*

Acknowledgements

Shanghai American School

Confidential Source: [redacted]

Artemisia tridentata

Poliochone *Poliochone*

Lokaana naturalized plants

Digitalis purpurea - on Maunapalanau
12 ft high, with spike left only
purple tubular, some with variegation

Laguna opulenta.

Strawberries common in many places,
and especially on Maunapalanau,
where they ascend to the top.

Tobacco cultivated at Uaitu.

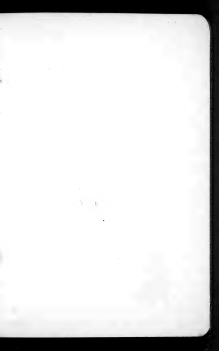
Rosa rubiginosa

Solanum peruviana

" italicum

Poa pratensis.





Hot springs at Salsman

Are situated along both flanks of the Salsman house, quite in the back village. The springs are very numerous, and consist of numerous large pools of boiling water with still more numerous smaller ones, cracks from which steam issues, and boiling mud pools.

A large pale greenish blue pool with a temperature of 111° has algae growing on the center sides.

The principal vegetation about the springs is *Leptatherum scoparium* + *L. succulens*, mixed with *Linum catharticum*, white asterisked *Spartium*, *Cyathodes arvensis*.

Roots of *Agave americana* observed in water of temperature of 98° .

Leptatherum, *Leptatherum* living with leaves + roots in water of a temperature of 78° .

Pool with long greenish blades, but no fleshy plants - present temperature 72° .

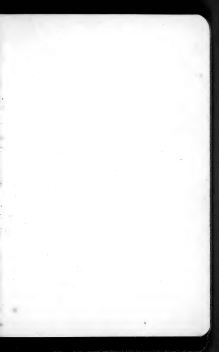
Euglenes *Leptocarpus* &c. Plenty
of green Algae at a temperature of
114°
Algae in water of 140°—

Important feature of vegetation about
hot springs is the great abundance of
Leptocarpus simplex, *Euglenes* *triandrus*,
Seligeria radicans

Loranthus at Waikiki

Went with Mr. Mays to Waikiki. He showed me, at the back of the Catholic Church, a Loranth. plainly a Loranth. growing on Plum and Pear trees. At the back of the gardens, and on the steep hill side, we noticed the same plant, which Mr. Mays calls Pirita, growing on Coprosma grandifolia, Mahoea camptocoma, Pisonia excelsa, and in great plenty on a large kind of Robina australis var. glabra?

Mr. Mays also informs me that at Moenakia, below, he saw a Loranth, probably L. glabra, growing on Robina and Winter Wreath trees and Plums.







Native plants - Kalamia Nat.
1500 ft. —

Leptocarpus scoparius
" *truncatus*

Leptocarpus fasciculatus

Cyathodes acuta

Leptocarpus simplex (about 1500 ft.)

Ligustrum laevigatum

Lonicera hispidula

Maclurea stipitata

Geranium elatior (by side of stream)
" *truncatus*

Lonicera tatarica

Dioscorea batatas (near Kalamia)

Macrorhiza parvifolia

Psilanthus fragrans (by side of stream)

Schizanthus luteus (near Kalamia 1500 ft.)

Ranunculus flammula

" *acutifolius*

Drimys acicularis Kalamia 2500 ft.

Cardamine hirsuta

Androsace sarothamni Kalamia 2500 ft.

Peltospermum tenuifolium: Mangarawan,
Kabarauca.

Hypericum japonicum

Chrostelea racemosa

Gesnerium microphyllum

Oxalis convallata

Pomadouria phyllifolia. slopes of
Mangarawan.

Conyocarpus laevigata. Waru, East

Protectorate Synanthus

Cassipourea flayuliformis

Rubus australis var *dissoides*

Potentilla anserina

Acacia campocrocea

Carpodacus serratus

Werneriopsis ~~spicata~~ racemosa

Broussonetia

auriculata

Haloragis micrantha

Myrsine variegata

Thalictrum acutifolium

Epilobium nanonchaefolium - common
on steamy plain on the sides of
hot springs.

Epilobium junceum

" *palustre*

Hydrocotyle roschkei

Pennisetum edgleyi - Kakaramea 2000 ft.

" *crassifolium*

" *arborescens*

Guadalupe latifolia - Mangrove area.
Kakaramea

Coprosma robusta

Eleusine indica - Kakaramea 2000
Mangrove area

" *dissecta* Kakaramea 2000 ft.

Alnus longifolia

Rapanea Forsteri

Gnaphalium fuscum

" *intermedium*

" *involutum*

Senecio latifolius Mangrove area

Brachyglottis repanda
Wahlenbergia pauciflora
Protea argentea
Sedum rubrum - near hot springs
Cynathus coccinea
Leucopogon Fraseri
Calystegia sepium
Frutula
Veronica salicifolia
Nesodaphne Tawa Kakasamee
Harzella exilis *Mangyanum* Kiti
Pumila prostrata
Podocarpus spicata
Scaevola capreaeformis
Macraea porphyllia
Heliconia longifolia
Dryas angustifolia
Dryas browniana - by springs
 Hot water, abundant.
Calystegia cuthbertii
 Banksia
 pumila

Phormium tenax
Arundo communis
" *planifolia*
" *beforina*
" *tenax*

Leptocarpus Complanatus - *Leptocarpus*
Cyperus rotundatus - near hot
water

Utricularia acuta
Isotria medeoloides
Leptocarpus tetragynus
Carex vagans
" *terrestris*
" *testacea*

Muscicora stipoides
Logia purpurea
Bulbocodium stipoides
Ophrys sphegodes
" *sphegodes*?

Arundo conspicua
Danthonia communis

Poa anafes

" *austroliis*

Setium multiflorum

Eleocharis decarpa var. *heisterl.*

" *Curatophora*

Hemitelia Smithii

Hymenophyllum demissum

" *Polanthos*

Trichomanes arifolium

Navalbia not. ad.

Endrogya histriomaculis Moench

- 2222

Hypolepis tenuifolia

Pteris aquilina

" *Scaberula*

" *maria*

Lomara protera

" *Patersonii*

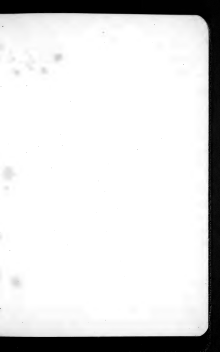
Asplenium flexuosum

Aspidium aculeatum

Pteridium australe

Isoetes hyemophylla L.
Selaginella selaginella L.
Lycopodium Hallii (L.)
" *complanatum*. Rare at
hot ponds at Johnson
" *volubile*
Psilotum tetragonum - hot water
stream
Azolla caroliniana

Lycopodium densum - frequent
but appears to be more abundant
to me by the Hamilton, collected
on flat south side of Mangrove
Electrum exaratum Hooker
Lycopodium hjastifolium - Wailie
Psilotum tetragonum - Wailie
Aspidium Richardsii - Wailie
~~and~~ *Pellaea rotundifolia*



1998

Account of Kibira-mba

[illegible]

Height of trig station 2725 ft
above B. level - counting at 1550 ft above
the sea, the total height of the mountain
would be 4275.

Chief vegetation *Bombyx Raoulia* +
A semi-annual or an. alpine, mixed with
small *B. Raoulia*. *Chamaejasme*
present - old bushes of *Chamaejasme*
+ *Cassia* scattered about. In
scrubby places *Leucospermum* *Panas*
Leucospermum *Oleas* *viridis*. Two orchids
Thelypodium with blue flowers + *Proserpinaca*
fruticosa common. *Chrysothamnus* *laevigatus* less
abundant. A *Veronica* like *Veronica* common
but not in flower. *Proserpinaca* with spikes
white flowers + *P. fruticosa*. In some
places *Veronica*, *Viola*, *Cypripedium*
puberulum, *E. plantaginifolium*, *Schizanthus*
pentamerus, *Glechoma* *alpestris* &
Campanula in the Hooft

List of Plants.

- Clematis hexasepala*. Waihi
Ranunculus platanus. Flat at Tokoro, Waihi,
 Top of Kaharanga
 — " — *resulans*. Flat at Tokoro
Drumys colorata. Mount of Kaharanga
Lindanus lineata. — " — "
Viola filicarpa. Kaharanga. Mount
Arbutus menziesii. Kaharanga
Polygonum tenuifolium. Mount of Kaharanga
 Kaharanga
 — " — *rugosoides*. Kaharanga
Hypericum japonicum. Kaharanga, Mount of
 Mount of Kaharanga
Geranium sp. of Kaharanga
 Mount of Kaharanga
Oxalis corniculata. Kaharanga.
Trandarinia phyllifolia. Mount of Kaharanga
Asteris socialis. Waihi
Corynephorus laevigata. Waihi (Mount of)
Linnaea rosea
 — " — *hypnifolia*. Flat, Mount of
 of Kaharanga

Cerastium flagelliformis

Roraria anthelmia, L. & G.

Potentilla anserina. Nutt.

Acaena sanguinolenta

Leptodermis acutata. Kuhnemann

Thymus asper

Proserpinaca spathulata. Kuhnemann, 1800.

" *tonata*

" *auriculata*

Calceolaria alata - Walp.

" *mercurialis* Nutt.

Myrsine variegata Nutt.

Leptodermis scoparium

" *tricolor*

Fuchsia macrocarpa

Epilobium nemorosum

" *pauciflorum*

" *patens*

" *botanocarpum*

" *pedunculatum*

Hydrocotyle macrocarpa

Leptodermis scoparium Kuhnemann, 1800.

Ligustrum arnotum Kakarua

Panax crassifolium

" *obovatum* Kakarua

" *arborescens*

" *laevigata* Kakarua

Schefflera divaricata

Grisebium littorale

Loranthus adpressus Wahi

Euphorbia lucida

" *obovata*

" *gracilifolia*

" *truncata* Kakarua

" *parviflora* "

" *obovata* "

" *obovata* "

" *obovata* "

" *obovata* "

Alseis blackiana Kakarua

" *dentata*

" *obovata*

" *obovata*

Alseis spectabilis

Calonisia longifolia Flat. small form
on Kakaramea

" *flandulosa* Kakaramea
Lapangifera Forsteri

Cotula australis Flat

Craspedo pumicata Kakaramea

Cassima Vanuatuensis

Graphalium bellendenkeri Kakaramea

" *fulvicaule* Flat. Mangrove

" *lanceolatum* Flat

muricostatum Flat

Senecio latifolius Mangrove

" *lobulata* Kakaramea

Brachyotum repanda

Wahlbergia gracilis

" *varicosa* Kakaramea

Portia angolata

Peltaria radicans Flat Grassy

Gnaphalium umbrosum

" *repens*

Cyathodes acrota

" *impetifolia* Kakaramea

Leucifraga fasciculata

Prasi

Antechinus pusillus

Spizella alpestris Kabasone

Myiophobus caudatus "

" *fulvifrons* "

Myiophobus caudatus Kabasone

" *fulvifrons* "

Oles lagotis "

concolor "

Parus alpestris

" *rostratus* Kabasone

Geothlypis trichas

corollata Lepus

Geothlypis trichas Kabasone

Geothlypis trichas Kabasone

leucostictus Leucostictus

Verreauxi Leucostictus

sp. Kabasone

Empidonax hammondi "

Chondestes macrophala "

Phainopepla nitens Solano Manba

- Polygonum minus* Hat
 " *aviculare* Gooden.
Modiolobasis adpressa
 " *axillaris* Kakaramee
Knightia excelsa Mangrove. Good.
Pongia peltata Hat - Kakaramee
Leucaena hederifolia Kakaramee
 " *diversa* *paragourea* "
 " *Totara* " *Marlin*
 " *Spicata* "
Macaranga coccinea
 " *laevis* Kakaramee
Phyllanthus alpinus "
Phoradendron
Calceolaria bifolia Kakaramee
Pterocarya *Banksia* "
Myrsine longifolia "
~~*Myrsine*~~ *Sp* "
Passiflora *Andromeda* "
Lythrum angustifolia Hat
Garcinia simplex Hat
Amma minor Hat

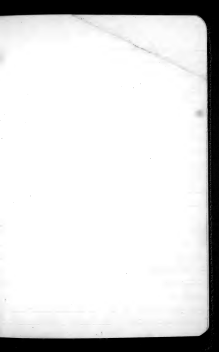
Lythrum hyssopifolium : hot springs, lake,
Lepidosiphon ?
Orlygia australis
 " *harshii*
 " *suberosa* Katharomela
Astilbe nervosa
Phormium tenax
Desmodium nova-zeelandicum Katharomela
Juncus communis
 " *tenax*
 " *manifolium*
 " *repens*
Carex campylocha
Leptocarpus campylocha hot springs
Cyperus articulatus
Scheuchzeria palustris
 " *palustris* Katharomela
Carex alpina Katharomela
Eriophorum acutum
 " *gracillimum*
Potamogeton nodosus
 " *potamogeton*

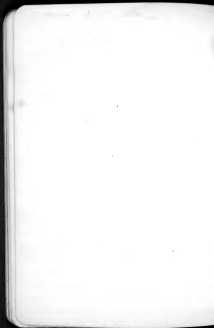
Isalpis aculeolata Kakaramee
Rapido-sperma tetragona Kakaramee
Orestylis pumilio
Utricularia australis
 " *capitata*
Carex stellulata Kakaramee
 " *virgata*
 " *testacea*
 " *decussata*
Mundula depurata
 " *diversa*
Microstylis repens
 " *alpina* Kakaramee
Torreyia parsonsii Flot.
Elcheilodone crassata
Agrostis amabilis
 " *quadrinervis*
Hemitheca Karolin Kakaramee
 " *semiantherata*
Poa aniceps
 " *australis*
Antennaria multiflora

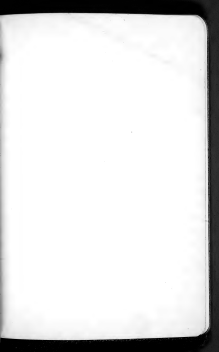
- Glechoma* *acuminata*
 " *decursa* *Hat*
 " *var alpina* *Koboromus*
 " *lunuliglobosa* "
Scutellaria *smallii* "
Agropyron *patersonianum*
 " *polyanthum*
 " *tenax*
Trichomanes *viridifolium*
Saxatilis *montana*
Hippuris *terrestris* *Hat*
Pellaea *atrorubra* *Hat*
Pharus *oppositifolius*
 " *scaberrimus*
 " *var alpina*
Loranthus *patersonianus*
 " *prostratus*
 " *flavescens* *Koboromus*
 " *patersonii* "
 " *coriacea*
 " *maritima*
 " *alpina* *Koboromus*

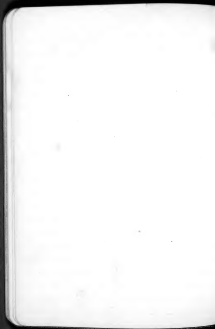
<i>Cephaelis</i>	<i>hookeriana</i>	<i>Manzanilla</i>
"	<i>californica</i>	
"	<i>flaccida</i>	
<i>Cephaelis</i>	<i>scutellaria</i>	
"	<i>richardsonii</i>	<i>Wash.</i>
<i>Polemonium</i>	<i>anastasi</i>	<i>Kakamora</i>
"	<i>grammifolium</i>	"
<i>Lobelia</i>	<i>hypericifolia</i>	"
"	<i>superba</i>	"
<i>Polemonium</i>	<i>Bellarbium</i>	
"	<i>penicillatum</i>	
"	<i>sericeum</i>	
<i>Sphacele</i>	<i>leptocarpa</i>	<i>Hot Springs</i>
<i>Lycopodium</i>	<i>Bellarbium</i>	
"	<i>densum</i>	<i>Hot Springs</i>
"	<i>sericeum</i>	<i>Hot Springs</i>
"	<i>leptocarpa</i>	<i>Hot Springs</i>
"	<i>sericeum</i>	<i>Hot Springs</i>
"	<i>sericeum</i>	<i>Hot Springs</i>
"	<i>sericeum</i>	<i>Hot Springs</i>
"	<i>sericeum</i>	<i>Hot Springs</i>
<i>Asplenium</i>	<i>trichomanes</i>	<i>Hot Springs</i>
<i>Asplenium</i>	<i>trichomanes</i>	<i>Hot Springs</i>











hill behind slides 1900 ft above
Taro = 1900 + 1500 = 3400 ft

2575 + 1500
2575
4075

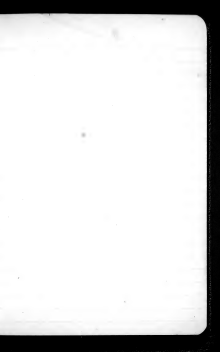
2575
1500
4075

Vegetation at highest point reached
4250 ft. composed of *Ranthem*
Ranunculus *Chamaecyparissus* *Veronica*
Urtica *Clematis* *Monarda*
Poa *Andropogon* *Poa* *Chamaecyparissus*
Geranium *Dracophyllum* *Veronica*
Lilium *Ligustrum* *Arctostaphylos*
Sonchus *Andropogon* *Clematis* *Monarda*
Andropogon *Sonchus* *Andropogon*
Ranunculus *Chamaecyparissus* *Veronica*
Crocus *Andropogon* *Chamaecyparissus*

Osumakakore
Forest actually boiling &
steaming for 1/2 mile
Pteris caudata + P. scaberrima
Lycopodium complanatum +
Nephrolepis most abundant
Nephrolepis caudata + Gleichenia
dechlorata + Selaginella

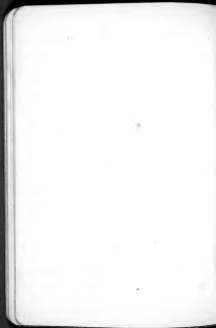








Cyathea medullaris
Lomara filiformis
Asplenium folcatum
Polypodium pennigerum
Asplenium Cuscutum
Hypnum glabellum
Polypodium novae-zeelandiae
Lomara pinnatifida
 " *filiculmis*
Hemitelia Smithii
Asplenium fasciculatum
Polypodium Cunninghamii
 " *australe*
~~*Polypodium*~~ *Podea hymenophyllodes*
Trichomanes reniforme
Lycopodium Bellardii
Lomara parva
Hymenophyllum patheceratum
 " *sabillifolium*
Lomara nigra
Hymenophyllum multifidum



Hymenophyllum dilatatum

" " Macbridei

" " flabellatum

" " Lyallii

" " Hookeri

Lycopodium complanatum

Lycopodium obscurum

" " polyanthum

Lycopodium lucidulum

Phacopteris linearis

Hymenophyllum wilsonii

Adiantum subrepens

Pteris caudata

" " aquilina

Lycopodium complanatum

Pteris caudata

Lomaria prostrata

Aspidium Richardsonii

24

30







When a person is really
nervous - call

2 S. of scils

26 S. deidreana - prostrata

5 S. cretina

1 S. biden

35

11 of these are 2 ft wide &
40 ft deep

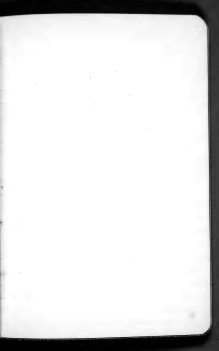
26 1/2

Denmark's capital - Copenhagen

• Feb. 24 1/2 m
Feb. 25 1/2 .



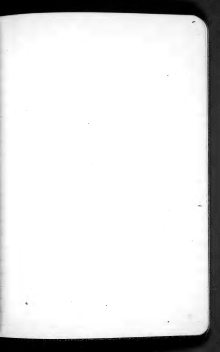






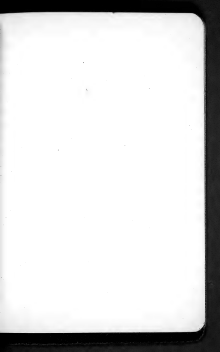




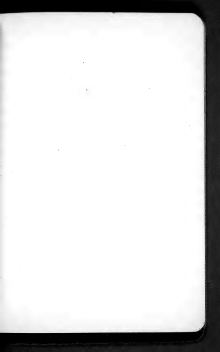


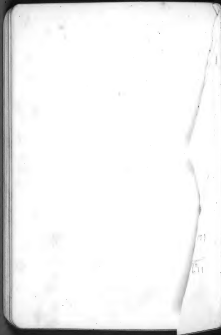












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